



ATS6442 SoundClear® Voice Processing

Patented 2-Mic SoundClear Noise Reduction Software ... Changing Smartphone Communication

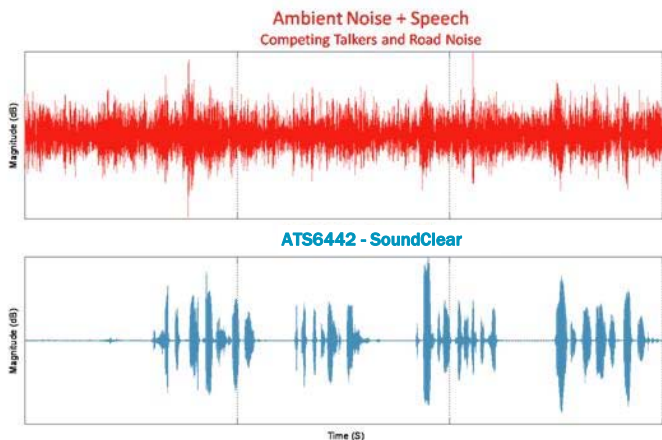
Breakthrough Technology now Available

Responding to the demand for improved call quality, Acoustic Technologies is now offering its patented noise field rendering technology for smartphones. ATS6442 is the newest solution in the SoundClear family of products that have already brought the ultimate voice performance to over 50 million mobile devices worldwide.

This breakthrough technology maintains the highest voice quality, delivers lightning fast noise adaptation with InstantAdapt™ and significantly enhances noise reduction in harsh environments as found in loud restaurants, busy streets, subways, or sporting arenas. Combined with a robust echo canceller the ATS6442 delivers the highest full-duplex, echo free operation during both handset and speakerphone modes.

ATS6442 also includes the FlexEQ™ with intelligent ambient aware EQ delivering a precisely shaped listening experience and transmit voice quality specifically adjusted to the environment.

Ported and optimized to various processors, this low power, small footprint solution is available for smartphones and other devices requiring the clearest speech anywhere.



Functions and Features

The ATS6442 SoundClear solution provides the flexibility and performance necessary to eliminate noise and achieve remarkable sound quality.

Key Features

- Supports 2-mic Handset and 1-Mic Speakerphone
- Up to 35 dB SNR Improvement
- Flexible Microphone Configurability and Design
- Automatic Level and Volume Control
- Ambient Aware Dynamically Adjusting FlexEQ
- InstantAdapt™ for Better VR Performance
- Full-duplex, Echo Free Operation
- Optimized for Minimal Power Dissipation
- Simple and Fast Tuning with RAPID2™ Tool



Enabling the Highest Quality Products

ATS6442 SoundClear 2-Mic Handset Solution



RAPID2™ Tuning and Optimization

Acoustic Technologies offers RAPID2 (Real-time Audio Perfection and Integration Diagnostics), a PC-based tool that allows OEMs and ODMs ultimate configurability to easily, and in real-time, monitor and tune programmable parameters in the SoundClear software via a simple Graphical User Interface.

- Fast and easy tuning
- Intuitive block-diagram view
- System performance diagnostics
- Expandable via plug-ins

SoundAdvice™ Audio Consulting Services

Acoustics' experienced software, hardware, system, and audio engineers utilize state-of-the-art audio equipment to assist with customer projects. Audio consulting includes test and measurement, electrical analysis, and mechanical analysis.

SoundAdvice audio consulting service helps customers get products to market quickly and with the highest quality audio.

